AMENDMENT TO THE SPECIFICATION

IN THE SPECIFICATION:

On page 2, please **replace** the final full paragraph with the following **amended paragraph**:

The term "part channels" also includes division of the feed stream into part streams by built-in microstructure parts just before the outflow of said feed stream into the mixing zone. The dimensions, particularly the lengths and widths of these built-in parts, can be in the range of millimeters or preferably smaller than 1 mm. The part channels are preferably shortened to the length that is absolutely needed for flow control and, hence, for a certain throughput they require comparatively low pressures. The length-to-width ratio of the part channels is preferably in the range from 1:1 to 20:1, particularly from 8:1 to 12:1, and most preferably about 10:1. The built-in microstructure parts are preferably configured in such a way that the flow ~~rate~~ velocity of the feed stream at the outlet into the mixing zone is greater than at the inlet into the linking channel and preferably also greater than the flow ~~rate~~ velocity of the product stream through the mixing zone.

On page 5, please **replace** the second full paragraph with the following **amended paragraph:**

An object of the invention is also a process for mixing fluid components, whereby at least two fluid feed streams that at first are kept separated can be mixed with one another, the mixing being carried out by use of at least one component of the invention or of a static micromixer of the invention. To this end, the flow ~~rate~~ velocity of the feed stream or feed streams in the mixing zone is preferably greater than the flow ~~rate~~ velocity of the product mixture within the mixing zone. Particularly preferred are mixer configurations and flow ~~rates~~ velocities at which turbulence is created in the mixing zone and the mixing in the mixing zone takes place at least partly as a result of turbulence.